# Release notes for ENDF/B Development dec-003_Li_009 evaluation

October 13, 2016

- **checkr** Warnings:

    1. A previous error halted parsing of the current section
       *MAT= 22, MF= 1, MT=451 (1): Parsing stopped*

       ```
       ERROR(S) FOUND IN MAT=  22, MF= 1, MT=451
           SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      54 TO      56
       ```

- **checkr** Errors:

    1. A variable is outside the allowed ENDF range
       *MAT= 22, MF= 1, MT=451 (0): Variable range*

       ```
       ERROR(S) FOUND IN MAT=  22, MF= 1, MT=451
           MOD =    1 OUT OF RANGE    0 -    0           RECORD NUMBER     54
       ```

    2. Missing a section in directory so your directory is messed up. This error will break everything else
       *MAT= 22, MF= 8, MT=457 (0): Directory (b)*

       ```
       ERROR(S) FOUND IN MAT=  22, MF= 8, MT=457
           SECTION  8/457 NOT IN DIRECTORY            RECORD NUMBER     58
       ```

- **fizcon** Warnings:

    1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.
       *MAT= 22, MF= 1, MT=451 (1): Ran out of MATs*

       ```
       ERROR(S) FOUND IN MAT=  22, MF= 1, MT=451
           ZA SHOULD BE SET TO  1.22000E+02
       ```

- **fizcon** Errors:

    1. Energies released in decay not adding up!
       *MAT= 22, MF= 8, MT=457 (1): Bad energy sum*

       ```
       ERROR(S) FOUND IN MAT=  22, MF= 8, MT=457
           GAMMA ENERGY (GE) SUMUP FAILURE
               WHOLE= 2.98957E+04  SUM= 0.00000E+00        SEQUENCE NUMBER    2
       ```